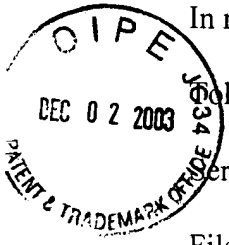


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of

Pohru YOKOZAWA et al.

Serial No. 10/686,598

Filed October 17, 2003

:

:

: **Attn: BOX MISSING PARTS**

: Attorney Docket No. 2003_1395A

PROCESS FOR PRODUCTION OF OPTICALLY
ACTIVE AMINO ALCOHOLS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. .

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing date of the first Office Action on the merits,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

a. ☐ a full or partial English language translation submitted herewith,

- b. ☐ a foreign patent office search report (in the English language) submitted herewith,
- c. ☐ the concise explanation contained in the specification of the present application at page ,
- d. ☐ the concise explanation set forth in the attached English language abstract,
- e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:

5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Tohru YOKOZAWA et al.

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December 2, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: December 2, 2003

ATTY DOCKET NO.
2003_1395ASERIAL NO.
10/686,598APPLICANT
Tohru YOKOZAWA et al.FILING DATE
October 17, 2003

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,491,253	2/1996	Stuk et al.	560	27	
	AB	4,454,332	6/1984	Liu et al.	560	039	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AC	61-246176	11/1986	JP			Corresponds to Ref AD
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	AE						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AH	D. G. MELILLO et al., "A Practical Synthesis of (+)-Thienamycin", Tetrahedron Letters, Vol. 21, 1980, pp. 2783-2786.
	AI	T. L. STUK et al., "An Efficient Stereocontrolled Strategy for the Synthesis of Hydroxyethylene Dipeptide Isosteres", J. Org. Chem., Vol. 59, 1994, pp. 4040-4041.
	AJ	G. LUNN, "Reduction of Heterocycles with Nickel-Aluminum Alloy", J. Org. Chem., Vol. 52, 1987, pp. 1043-1046.
	AK	J. BARLUENGA et al., "Diastereoselective Synthesis of γ -Amino Alcohols with Three Chiral Centers by Reduction of β -Amino Ketones and Derivatives", J. Org. Chem., Vol. 50, 1985, pp. 4052-4056.
	AL	V. J. BUCHI et al., Helv. Chim. Acta, Vol. 45, 1962, pp. 729-737.
	AM	M. G. ANDREWS et al., "Syntheses of β -Diamines and β -Amino Alcohols from α , β -Unsaturated Ketones and Aldehyde, Methylamine, and Borohydride Reducing Agents", J. Org. Chem., Vol. 42, No. 4, 1977, pp. 650-652.
	AN	J. A. MESCHINO et al., "2-Amino-5,6-dihydro-1,3-oxazines. The Reduction of Carboxylic Esters with Sodium Borohydride", J. Org. Chem., Vol. 28, November 1963, pp. 3129-3134.

EXAMINER

DATE CONSIDERED